

GenCore version 4.5  
Copyright (c) 1993 - 2000 Comugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 9, 2000, 11:29:01 ; Search time 82.89 Seconds  
(without alignments)  
6727.296 Million cell updates/sec

Title: US-09-117-447-1

Perfect score: 3687  
Sequence: 1 atgagtagaagaagcgtc.....ttacattctataaagtaa 3687

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 262060 seqs, 75620496 residues

Total number of hits satisfying chosen parameters: 524120

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Issued Patents\_NA:  
1: /cgn2\_6/prodata/1/lna/5A.COMB.seq:\*  
2: /cgn2\_6/prodata/1/lna/5B.COMB.seq:\*  
3: /cgn2\_6/prodata/1/lna/5C.COMB.seq:\*  
4: /cgn2\_6/prodata/1/lna/5D.COMB.seq:\*  
5: /cgn2\_6/prodata/1/lna/6.COMB.seq:\*  
6: /cgn2\_6/prodata/1/lna/PCTUS.COMB.seq:\*  
7: /cgn2\_6/prodata/1/lna/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Query Length	DB ID	Description
1	56.8	1.4	4248	5	US-08-678-614-1
2	53.4	1.4	7218	1	US-08-232-463-14
3	51	1.4	2241	3	US-08-785-431-3
4	51	1.4	2367	3	US-08-785-431-1
5	49.8	1.4	5738	1	US-08-409-995-3
6	49.8	1.4	5738	5	US-08-885-467-3
7	48.8	1.4	2223	2	US-08-257-073-4
8	47.4	1.4	3095	7	5231168-1
9	46.6	1.4	4766	6	PCT-US93-07261-10
10	45.2	1.4	921	4	US-08-795-475-2
11	45.2	1.4	1308	4	US-08-795-475-4
12	45.2	1.4	5511	5	US-08-928-361B-2
13	45.2	1.4	7334	5	US-08-928-361B-1
14	44.6	1.2	14602	2	US-08-597-236-1
15	44.6	1.2	14602	2	US-08-746-682A-1
16	44.4	1.2	1867	1	US-07-772-087-1
17	44.4	1.2	1355	5	US-08-669-408B-9
18	43.6	1.2	4197	3	US-08-682-517-7
19	43.2	1.2	4197	3	US-08-682-517-8
20	43.2	1.2	19124	4	US-08-487-826B-13
21	42.4	1.1	372	1	US-08-094-128A-24
22	42.4	1.1	372	1	US-08-455-674-24
23	42.4	1.1	372	1	US-08-455-992-24
24	42.4	1.1	372	1	US-08-455-972-24
25	42.4	1.1	372	6	PCT-US92-00652-24
26	42.4	1.1	4977	1	US-08-450-257-14

27	42.4	1.1	4977	1	US-08-450-246-14	Sequence 14, Appl
28	42.4	1.1	4977	1	US-08-450-098-14	Sequence 14, Appl
29	42.4	1.1	4977	2	US-08-451-233-14	Sequence 14, Appl
30	42.4	1.1	4977	2	US-08-450-236-14	Sequence 14, Appl
31	42.4	1.1	7904	1	US-08-316-239B-1	Sequence 1, Appl
32	42.4	1.1	7904	1	US-08-316-239B-2	Sequence 1, Appl
33	42.4	1.1	7904	1	US-08-410-005-1	Sequence 1, Appl
34	42.4	1.1	7904	5	US-08-929-140-1	Sequence 1, Appl
35	41.8	1.1	1498	1	US-07-965-668A-1	Sequence 1, Appl
36	41.8	1.1	1498	3	US-08-950-433-1	Sequence 1, Appl
37	41.8	1.1	1498	3	US-09-186-287-1	Sequence 1, Appl
38	41.8	1.1	3666	3	US-08-682-517-13	Sequence 13, Appl
39	41.8	1.1	3666	3	US-08-682-517-14	Sequence 13, Appl
40	41	1.1	6201	4	US-08-790-912-1	Sequence 1, Appl
41	40.8	1.1	3337	1	US-08-072-610-1	Sequence 1, Appl
42	40.8	1.1	3337	3	US-08-719-822B-1	Sequence 1, Appl
43	40.8	1.1	4977	1	US-08-450-257-17	Sequence 17, Appl
44	40.8	1.1	4977	1	US-08-450-246-17	Sequence 17, Appl
45	40.8	1.1	4977	1	US-08-450-098-17	Sequence 17, Appl

#### ALIGNMENTS

RESULT 1  
US-08-678-614-1  
; Sequence 1, Application US/08678614  
; Patent No. 6013507  
; GENERAL INFORMATION:  
; APPLICANT: Tomasz, Alexander  
; APPLICANT: Delencastre, Herminia  
; TITLE OF INVENTION: AUXILIARY GENES AND PROTEINS OF  
; TITLE OF INVENTION: METICILLIN RESISTANT BACTERIA AND ANTAGONISTS THEREOF  
; NUMBER OF SEQUENCES: 1  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: David A. Jackson, Esq.  
; STREET: 411 Hackensack Ave, Continental Plaza, 4th  
; STREET: Floor  
; CITY: Hackensack  
; STATE: New Jersey  
; COUNTRY: USA  
; ZIP: 07601  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/678,614  
; FILING DATE: 10-JUL-1996  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jackson Esq., David A.  
; REGISTRATION NUMBER: 26,742  
; REFERENCE/DOCKET NUMBER: 600-1-139  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 201-487-5800  
; TELEFAX: 201-343-1684  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 4248 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; ORIGINAL SOURCE:  
; ORGANISM: Staphylococcus aureus  
; STRAIN: RUSA 266  
; FEATURE:  
; NAME/KEY: ORF  
; LOCATION: 151..1410



```

APPLICATION NUMBER: US/08/232,463
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/935,313
FILING DATE:
APPLICATION NUMBER: EP 91 114 300.6
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 30472/114 IMU
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300
TELEFAX: (703)683-4109
TELEX: 899149
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
CLONE: PT29pt-F1s
US-08-232-463-14

```

```

Query Match 1.4%; Score 53.4; DB 1; Length 7218;
Best Local Similarity 6.3%; Pred. No. 0.0019;
Matches 27; Conservative 222; Mismatches 178; Indels 0; Gaps 0;

```

```

QY 97 gatgtacacagtagtaagccaaagacagcttcaaaaagcatatcattac 156
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 1439 GGTACRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1380
QY 157 agccatcacgtacggaacgtggaattcccaacatgaatgtatgtgatac 216
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 1379 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1320
QY 217 aacaaagcaaaaagcagacgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 276
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 1319 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1260
QY 277 aaaaaagcgtctactagctgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 336
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 1259 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1200
QY 337 aaccttaactgtgcaagctgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 396
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 1199 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1140
QY 397 aaattgacgaatacgtccaaagagctagaggtgtgtgtgtgtgtgtgtgt 456
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 1139 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1080
QY 457 gcgaacaatactacacaaattccttataaataaactgcgcagctcatatag 516
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 1079 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1020
QY 517 cgcgtat 523
| | | | |
DB 1019 AGCGTAT 1013

```

```

RESULT 3
US-08-785-431-3
; Sequence 3, Application US/08785431
; Patent No. 5891667
; GENERAL INFORMATION:
; APPLICANT: Chalkey, Alison
; APPLICANT: Hodgson, John
; TITLE OF INVENTION: No. 5891667el Spoilite
; NUMBER OF SEQUENCES: 4

```

```

CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406-0939
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/785,431
FILING DATE: 17-JAN-1997
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 9600955.0
FILING DATE: 17-JAN-1996
ATTORNEY/AGENT INFORMATION:
NAME: Gimmil, Edward R.
REGISTRATION NUMBER: 38,891
REFERENCE/DOCKET NUMBER: P31349
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-4478
TELEFAX: 610-270-5090
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 2241 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: genomic DNA
US-08-785-431-3

```

```

Query Match 1.4%; Score 51; DB 3; Length 2241;
Best Local Similarity 47.8%; Pred. No. 0.0044;
Matches 181; Conservative 0; Mismatches 195; Indels 3; Gaps 1;

```

```

QY 2195 atgcaaatctttagcaactatatactatcattacaaactgaagtcagacgtaa 2254
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 701 ATGCAGAGAAAGTTCGATTAATCATCAACAGCATATCAAGAGCAATTA 760
QY 2255 cagcaccacggtttacaaagtattcaaaagtgtattctttaaagcgtgtgca 2314
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 761 CAGAACAAACATTAACAGTGTGAAGTGAACAACTATTAAGAGCTGTGAAGTTA 820
QY 2315 ctacactcagagctgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 2374
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 821 CGAATGATATGATGTTGTTCCACCGTTAACTTACTTAATTAACCTCAAAACAAAAG 880
QY 2375 aaactctagtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 2434
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 881 CAACATCACTAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 940
QY 2435 gatgtgtagaatgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 2494
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 941 TTGGGCTAATATGCA--AAAGTGAACAAATTAATTAATTAATTAATTAATTAAT 997
QY 2495 gtaagtaagctgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 2554
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 998 AAATTCACCAAGCTCAAGGCTTAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1057
QY 2555 aatgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 2573
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 1058 CATTAAGCTTTAGCAGCAAA 1076

```

```

RESULT 4
US-08-785-431-1
; Sequence 1, Application US/08785431

```



[illegible]

RESULT 7  
 US-08-257-073-4  
 Sequence 4, Application US/08257073  
 Patent No. 5766597  
 GENERAL INFORMATION:  
 APPLICANT: Paoletti, Enzo  
 APPLICANT: de Taisne, Charles  
 APPLICANT: Tine, John A.  
 TITLE OF INVENTION: MALARIA RECOMBINANT POXVIRUS VACCINE  
 NUMBER OF SEQUENCES: 143  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Curtis, Morris & Safford, P.C.  
 STREET: 530 Fifth Avenue, 25th Floor  
 CITY: New York  
 STATE: New York  
 COUNTRY: UNITED STATES OF AMERICA  
 ZIP: 10036  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/257,073  
 FILING DATE: 09-JUN-1994  
 CLASSIFICATION: 424  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/075,783  
 FILING DATE: 11-JUN-1993  
 PRIOR APPLICATION DATA:



QY	597	ttatgatattacggttcgaatgtgaagcggcgagagataagaagcgtgtgaagcagcgaa	656
Db	1449	tgaagaattctaccaggaatataaaatgtaaaaaggttcacatgtaatatgtgaggttga	1508
QY	657	tttagacaaagctaaagctctgtctgtgatacaatacgtacatacttaccaaagtaacga	716
Db	1509	agaattcttcaccgaagataaaaaatgtaaaaagttcacatgtaaatagtagaagcttgaag	1568
QY	717	tgcttcaaaactgaaacttaacgagatgtagggaaaaaagcatttagatgtcgacgaagcgcg	776
Db	1569	aattcttcaccgaagataaaaaatgaaaaaggttcacactgtaatatgtgtagggttgaagaat	1628
QY	777	gcttaccccaagaattgaaaaagtctaaagtcgaatgcgttaacacatcaaaaacaaagcgttgaaat	836
Db	1629	tctaccgaagaagataaaaaatgtaaaaaggttcacactgtaatatgtgtagggttgaagaat	1688
QY	837	aacgacggtaccagttgaaacggaaacataaataattacacatttcagctgcgtgcgaatgaaga	896
Db	1689	tctctccgaagataaaaaatgtaaaaaggttcacactgtaaatagtgtaggttgaagaatctc	1748
QY	897	tacagtaaacgttgaataactgtacgtatctataagtggaacggttaacattccattggccct	956
Db	1749	accggaagataaaaaatgtaaaaagttcacactgtgaaatagtagaggttgaagaatcttc	1808
QY	957	taatacgcagatgtttctttatctacagaacggaaaaaactacatcactgtgagatcttcaac	1016
Db	1809	agaattgttgaattgtgaagaagtagaccatcacaaacaataaacaatgtaaaatattggaac	1868
QY	1017	tccattcgaaataatatacggagataaagtagtagttaaag	1057
Db	1869	tataaacccgaagaataaaaaagatgtaatttagtgttgaag	1909

RESULT 9  
 PCT-US93-07261-10  
 : Sequence 10, Application PC/TUS9307261  
 : GENERAL INFORMATION:  
 : TITLE OF INVENTION: P1EMP3 MALARIA ANTIGEN, ANALOGS, ANTIBODIES AND USES THEREOF  
 : NUMBER OF SEQUENCES: 23  
 : CORRESPONDENCE ADDRESS:  
 : ADDRESSEE: John H. C. Blasdale  
 : STREET: One Giralda Farms  
 : CITY: Madison  
 : STATE: New Jersey  
 : COUNTRY: USA  
 : ZIP: 07940-1000  
 : COMPUTER READABLE FORM:  
 : MEDIUM TYPE: Floppy disk  
 : COMPUTER: Apple Macintosh  
 : OPERATING SYSTEM: Macintosh 6.0.5  
 : SOFTWARE: Microsoft Word 5.1a  
 : CURRENT APPLICATION DATA:  
 : APPLICATION NUMBER: PCT/US93/07261  
 : FILING DATE: 19930805  
 : PRIOR APPLICATION DATA:  
 : APPLICATION NUMBER: US 07/927,531  
 : FILING DATE: 07-AUG-1992  
 : ATTORNEY/AGENT INFORMATION:  
 : NAME: Blasdale, John H. C.  
 : REGISTRATION NUMBER: 31,895  
 : REFERENCE/DOCKET NUMBER: DX0288K  
 : TELECOMMUNICATION INFORMATION:  
 : TELEPHONE: 201-822-7398  
 : TELEFAX: 201-822-7039  
 : INFORMATION FOR SEQ ID NO: 10:  
 : SEQUENCE CHARACTERISTICS:  
 : LENGTH: 4766 base pairs  
 : TYPE: nucleic acid  
 : STRANDEDNESS: double  
 : TOPOLOGY: linear  
 : MOLECULE TYPE: cDNA to mRNA  
 : ORIGINAL SOURCE:  
 : ORGANISM: Plasmodium falciparum

```

; STRAIN: Malayan Camp
; IMMEDIATE SOURCE:
; CLONE: p2b1/p12-1
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 3..4766
;
PCT-US93-07261-10

```

Query Match	1.38;	Score 46.6;	DB 6;	Length 4766;
Best Local Similarity	42.68;	Pred. No. 0.065;		
Matches 302;	Conservative 0;	Mismatches 404;	Indels 3;	Gaps 1

[illegible]

STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: USA  
ZIP: 98104-7092  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/795,475  
FILING DATE: 11-FEB-1997  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Mcmasters, David D.  
REGISTRATION NUMBER: 33,963  
REFERENCE/DOCKET NUMBER: 100084.402D1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206)-682-6031  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 921 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: unknown  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ORIGINAL SOURCE:  
ORGANISM: Escherichia coli LE392/PHDL, DSM 7054  
US-08-795-475-2

Query Match 1.2%; Score 45.2; DB 4; Length 921;  
Best Local Similarity 42.8%; Pred. No. 0.073;

Matches 285; Conservative 0; Mismatches 378; Indels 3; Gaps 1;

QY 628 gaagtaacaagcgtgtgaagcaggcaatttagacaagctaaagctgctgtgataca 687  
DB 19 GAAACACCGAAGAACACGAGACTGATTCAGAGAGAGAGTACATCAAGCTAACCTTA 78  
QY 688 atcaatcaacttaccacaaagtaacagatgcttcaaaactgaactaacagaagtagcg 747  
DB 79 ACTTTGCAATGGAAGCAGCACAACTGCAAGATTCAGAGAGAGTTCGAAAAAGCAACA 138  
QY 748 aaaaagcattagatgcagatgaagctgcgtccaccacaaagttaaaagtgaagtcg 807  
DB 139 TCGAAGGCTTAGCGTAGCAGATCTTGAAGAGAAACAAATGAGAAATTTACTGTAGAT 198  
QY 808 attaacactcaaaaacaaagctgtgaattaacagcagtaaccagtgaaagcaactaaaa 867  
DB 199 GTTGCAAGATAAAGGTATATTCTTAATTAATTAATTTGCTGGAAAAAGAAAAACACAGAA 258  
QY 868 ttacaacttcagctgcgtcaaatgaagatacagtaaacgttaaacctcgtacgtatcat 927  
DB 259 GAACCCAAAAGAGAACTTACTATTAAGCAAACTTAATCTATGACAGATGAAAAACACAA 318  
QY 928 aaagtgaagcgtcaacattgcccttaagcagcgatgtttccttatctacagac 987  
DB 319 ACGACGAATTTCAAGGAACATTTGAGAAACACAGACAGAACCAATACAGATATGACAGAT 378  
QY 988 ggaataaacatcacctgtgtgactcctcaactccatcgaaataatacggagataaagta 1047  
DB 379 GCATTAATAAGAGCAATGAGAAATATACAGTAGAGCTTGCAAGATTAAGGTTTACTTTA 438  
QY 1048 gtagttaaaggtattaaagacaanaatgycaaaagaatttaagaagatgcattcacttcc 1107  
DB 439 AATATTAATTTGCTGAGAAAAAGAAAAACACAGAGAAACAAAGAAAGAGTTACTATT 498  
QY 1108 aagcttcgaagatgactgtagtactcaagtgcttggaactaatgttaacaaacacact 1167  
DB 499 AAGCAAACTTAATCTATGACAGATGAAAA--ACACAAAACAGCAAGATTTCAAGAGAA 555

QY 1168 tctgtaaacttagcagcaggtactctgcacactgcagacttaacagtagtattgat 1227  
DB 556 TTGAAGAGCAAGCAACAGACATATGCTGACTTATTAAGCAAAAGAAATGCT 615  
QY 1228 aagtttagcaccctgaacatgtaacagctgcgaactcattacagatgttgaact 1287  
DB 616 AATATACAGGTAGAGCTTCAGATAAAGGTATATTAAATTTAAATTTCTGAGAAA 675  
QY 1288 ggaana 1293  
DB 676 GAAAAA 681

RESULT 11

US-08-795-475-4  
Sequence 4, Application US/08795475

Patent No. 5965390

GENERAL INFORMATION:

APPLICANT: Bjvick, Lars

APPLICANT: Sjaevring, Ulf

TITLE OF INVENTION: PROTEIN L AND HYBRID PROTEINS THEREOF

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: SEED and BERRY LLP

STREET: 6300 Columbia Center, 701 Fifth Avenue

CITY: Seattle

STATE: Washington

COUNTRY: USA

ZIP: 98104-7092

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/795,475

FILING DATE: 11-FEB-1997

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Mcmasters, David D.

REGISTRATION NUMBER: 33,963

REFERENCE/DOCKET NUMBER: 100084.402D1

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206) 622-4900

TELEFAX: (206) 682-6031

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 1308 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: unknown

MOLECULE TYPE: DNA (genomic)

HYPOTHETICAL: NO

ORIGINAL SOURCE:

ORGANISM: Escherichia coli L392/PHDLG, DSM 7055

US-08-795-475-4

Query Match 1.2%; Score 45.2; DB 4; Length 1308;  
Best Local Similarity 42.8%; Pred. No. 0.084;

Matches 285; Conservative 0; Mismatches 378; Indels 3; Gaps 1;

QY 628 gaagtaacaagcgtgtgaagcaggcaatttagacaagctaaagctgctgtgataca 687  
DB 19 GAAACACCGAAGAACACGAGACTGATTCAGAGAGAGAGTACATCAAGCTAACCTTA 78  
QY 688 atcaatcaacttaccacaaagtaacagatgcttcaaaactgaactaacagaagtagcg 747  
DB 79 ACTTTGCAATGGAAGCAGCACAACTGCAAGATTCAGAGAGAGTTCGAAAAAGCAACA 138  
QY 748 aaaaagcattagatgcagatgaagctgcgtccaccacaaagtgaagtgtaagtcg 807



```

D6 139 TCAGAAAGCTTATGCCGATATGCAGATACCTTTGAGAAAGACAAATGAGATATATACGTACAT 198
QY 808 attaacactcaaaaacaaagctgttgaattacacagcagtlaccagtgaacgcgaactacaaa 867
D6 199 GTTGCAGATAAAGGTTATATCTTTAAATATTTAAATTTCTGTGAAAAAGAAAAACACCA 258
QY 868 ttacacacttcgcctcgtcgaatgaaatgaaatagatagaaacgtaaacgttaactgtcgtatcat 927
D6 259 GAACCAAAAAGAAAGAACTTACTATTAAAGCAAACTTAATCTATGCAGATGAGAAAAACACAA 318
QY 928 aaagtggaacggttaacattccattccattcccttaatacggcagaagtgttcttatacagac 987
D6 319 ACAGCAGATTTCAAAAGACATTTGGAAGAAAGCAACACAGACAGATACGATATGCAGAT 378
QY 988 ggaanaactatcacctgtgtgaatgtcttcaactccattcgaataaatacaggaataaagta 1047
D6 379 GCATTTAAAGAGGACATGAGATATACAGTACGACCTTGCAGATTAAGGTTACTTCTTA 438
QY 1048 gtatgtaaaggtatttaagacaaaatgtgaaagaatttaagaagatgtcattccttc 1107
D6 439 AATATTAAATTTGCTGGAAGAAAGAAAAACACCAAGAAACCAACCAAGAAAGAAAGTTACTT 498
QY 1108 aagcttcgaatgatgtcgtctagttactcaagtggtttggaactaatgttacaacaacact 1167
D6 499 AAGACAACTTAACTATCATGACAGATGCAAAA---ACACAAACAGCAGAAATTAAGAGAA 555
QY 1168 tctgtaaacttagcagcaggtacttctgcacactgacagatacttatacagtagtattgat 1227
D6 556 TTTGAAGAAAGCAACAGCAGACAGATACAGATATGCTGACTTATTAGCAAAAAGAAATGTGT 615
QY 1228 aagtggttgcacctgaaactgttaaacagctcgaaagttactattacagatgttgaact 1287
D6 616 AAATATACAGTACGACCTTGCAGATAAAGGTTATACCTTTAAATATTGCTGGAAGA 675
QY 1288 ggaaga 1293
D6 676 GAAAA 681

RESULT 12
US-08-928-361B-2
: Sequence 2, Application US/08928361B
: Patent No. 6071518
: GENERAL INFORMATION:
: APPLICANT: Petersen, Carolyn
: TITLE OF INVENTION: PEPTIDES, POLYPEPTIDES, GLYCOPROTEINS,
: TITLE OF INVENTION: THEIR FUNCTIONAL MUTANTS, VARIANTS, ANALOGS AND FRAGMENTS
: TITLE OF INVENTION: FOR TREATMENT AND DETECTION/DIAGNOSIS OF CRYPTOSPORIDIUM
: NUMBER OF SEQUENCES: 30
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: PETERS, VERNY, JONES & BIKSA
: STREET: 385 Sherman Avenue, Suite 6
: CITY: Palo Alto
: STATE: CA
: COUNTRY: USA
: ZIP: 94306-1840
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/928,361B
: FILING DATE: 12-SEP-1997
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 60/026,062
: FILING DATE: 13-SEP-1996
: ATTORNEY/AGENT INFORMATION:
: NAME: VERNY, Hana
: REGISTRATION NUMBER: 30,518
: REFERENCE/DOCKET NUMBER: 480.76-1(HV)

```

```

TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-324-1677
TELEFAX: 650-324-1678
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 5511 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-928-361B-2

Query Match      1.28; Score 45.2; DB 5; Length 5511;
Best Local Similarity 44.5%; Pred. No. 0.15;
Matches 179; Conservative 0; Mismatches 223; Indels 0; Gaps 0;

QY 1126 gtagctactcaagtgcttggaacgaatgtaacaaacacgtctgtaactagcagca 1185
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 808 GTATATCCTTAGATTAATGCTCCTGTAAATTCTGAGAACTCTTTTGAAACAAGTCGAAATA 867

QY 1186 ggtacttcgcacactgcagatacttacaagtagtattgataagtgtagcactgaa 1245
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 868 TTGATATGGCAGTAAGTATACATTCCATACACTAAAGTGTGGAGGAACACACACA 927

QY 1246 actgtaaacagctcgaaacgttactatcacagatggttgaaactgaaaaacgcattccagta 1305
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 928 ACAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACA 987

QY 1306 atgcactctactcttggttttacaattactattacggttaaaagaagcgttagtaactgt 1365
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 988 ACAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACA 1047

QY 1366 aaacataataaactggtcatcaataatggttaaacattactggttacaatgcagaagct 1425
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 1048 ACAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACA 1107

QY 1426 tacgaatgtagtgcatactgcgaacgcatacagacacacactggttaccgctctactact 1485
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 1108 ACCACAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACA 1167

QY 1486 tttagtggtacaaacttattactggtgttccttacacaacaaat 1527
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 1168 ACAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACAACA 1209

RESULT 13
US-08-928-361B-1
: Sequence 1, Application US/08928361B
: Patent No. 6071518
: GENERAL INFORMATION:
: APPLICANT: Petersen, Carolyn
: TITLE OF INVENTION: PEPTIDES, POLYPEPTIDES, GLYCOPROTEINS,
: TITLE OF INVENTION: THEIR FUNCTIONAL MUTANTS, VARIANTS, ANALOGS AND FRAGMENTED
: TITLE OF INVENTION: FOR TREATMENT AND DETECTION/DIAGNOSIS OF CRYPTOSPORIDIOSIS
: TITLE OF INVENTION: SPECIES INFECTIONS
: NUMBER OF SEQUENCES: 30
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: PETERS, VERNY, JONES & BIKSA
: STREET: 385 Sherman Avenue, Suite 6
: CITY: Palo Alto
: STATE: CA
: COUNTRY: USA
: ZIP: 94306-1340
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/928,361B
: FILING DATE: 12-SEP-1997
: CLASSIFICATION:

```

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/026,062  
FILING DATE: 13-SEP-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: VERNY, HANA  
REGISTRATION NUMBER: 30,518  
REFERENCE/DOCKET NUMBER: 480.76-1(HV)  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650-324-1677  
TELEFAX: 650-324-1678  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 7334 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-08-928-361B-1

Query Match 1.2%; Score 45.2; DB 5; Length 7334;  
Best Local Similarity 44.5%; Pred. No. 0.16;  
Matches 179; Conservative 0; Mismatches 223; Indels 0; Gaps 0;

QY 1126 gtagtactcaagtggttggaactaatgtaacaacacacactctgttaacttagcagca 1185  
DB 2476 gtagatccctaaagatttaattgctctgtaattctgagaaactcttttgaaagtcacata 2535  
QY 1186 ggtacttcgacactgacgtactttaacagtgatatttataagtgttgtaagcactgaa 1245  
DB 2536 ttgtgattatggcagtaagatgattacattacactaaatgtgttgagtgaaacacacaca 2595  
QY 1246 accgtaaacgctcgcagacgttactactacagatggtgaaactgaaacgcatccagta 1305  
DB 2596 acagacaac 2655  
QY 1306 attgcactactctcctggttcaaatattactaatgcttaaaagagcggttaagtaactggt 1365  
DB 2656 acagacaac 2715  
QY 1366 aacacataacttggtatcaaatgtaaaacataactggttcaactgacagaagct 1425  
DB 2716 acagacaac 2775  
QY 1426 taacagatgtagtgcacagcaacgacacacacacacacacacacacacacacacacac 1485  
DB 2776 acagacaac 2835  
QY 1486 ttaggtgttaacacattatctactggttctcttaacaacaaat 1527  
DB 2836 acagacaac 2877

RESULT 14  
US-08-597-236-1  
Sequence 1, Application US/08597236  
Patent No. 5733765  
GENERAL INFORMATION:  
APPLICANT: STINGELE, Francesca  
APPLICANT: MOULET, Beat  
TITLE OF INVENTION: LACTIC BACTERIA PRODUCING  
TITLE OF INVENTION: EXOPOLYSACCHARIDES  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Penile & Edmonds  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10036  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/597,236  
FILING DATE:  
CLASSIFICATION: 426  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP 9520169.9  
FILING DATE: 20-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Fanucci A., Allan  
REGISTRATION NUMBER: 30256  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 14602 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 352..1803  
OTHER INFORMATION: /product- "epsa"  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1807..2535  
OTHER INFORMATION: /product- "epsb"  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 2547..3239  
OTHER INFORMATION: /product- "epsc"  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 3249..3995  
OTHER INFORMATION: /product- "epsd"  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 4051..4731  
OTHER INFORMATION: /product- "epse"  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 4898..5854  
OTHER INFORMATION: /product- "epsf"  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 6425..7540  
OTHER INFORMATION: /product- "epsg"  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 7736..8212  
OTHER INFORMATION: /product- "epsh"  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 8221..9192  
OTHER INFORMATION: /product- "epsi"  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 9285..10364  
OTHER INFORMATION: /product- "epsj"  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 10392..11339  
OTHER INFORMATION: /product- "epsk"  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: 11302..12222  
OTHER INFORMATION: /product- "CDS (eps l) covering CDS  
OTHER INFORMATION: (eps k) on nucleotides 10392-11339"  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 12233..13651  
OTHER INFORMATION: /product- "epsm"  
FEATURE:

NAME/KEY: misc\_feature  
LOCATION: 13732..14305  
OTHER INFORMATION: /function- "CDS on the  
OTHER INFORMATION: complementary strand"  
OTHER INFORMATION: /product- "orfz"  
FEATURE:  
NAME/KEY: terminator  
LOCATION: 230..252  
FEATURE:  
NAME/KEY: promoter  
LOCATION: 274..302  
FEATURE:  
NAME/KEY: RBS  
LOCATION: 340..345  
US-08-597-236-1

Query Match 1.28; Score 44.6; DB 2; Length 14602;  
Best Local Similarity 47.3%; Pred. No. 0.3;  
Matches 134; Conservative 0; Mismatches 149; Indels 0; Gaps 0;

QY 3037 ggtgcagttacggttgaccggttcaaacattacattgaattcagcgattcagttcca 3096  
DB 2667 GGTACTATTCTTATTCACCAACATATACATCAACAGCGTATCTATGTTTAT 2726  
QY 3097 aaccacaatcactcttaagaagcgtaaggaacttcattactaattacacttta 3156  
DB 2727 CAGGCACACGATATTAAGATCTTCTGCTCAAGATTGCAAGCTGAGTACTATTGGCA 2786  
QY 3157 aatgtaataaagaaataaacaataaataatgtatccacaagaagtgtaacactgac 3216  
DB 2787 AATGACTATTAAGAGATATATGATCAATATGATATATGAGATATTAAGATGAA 2846  
QY 3217 gagttactcaatagatgagttgcagttccaaaagatttcaaacgtgactgataat 3276  
DB 2847 AAATGATTTGAGTGAGGAGCAAGCTGTAAATGAGTTTCAGTTAATATTCCTACTGAT 2906  
QY 3277 agcaaatatcatcatcacaggtctgtctactgacgaag 3319  
DB 2907 ACTGCTTATTTCATTTCTGTATATCTAAACTGCTCAG 2949

RESULT 15  
US-08-746-682A-1  
Sequence 1, Application US/08746682A  
Patent No. 5786184  
GENERAL INFORMATION:  
APPLICANT: STINGELE, Francesca  
APPLICANT: MOLETT, Beat  
TITLE OF INVENTION: LACTIC BACTERIA PRODUCING  
TITLE OF INVENTION: EXOPOLYSACCHARIDES  
NUMBER OF SEQUENCES: 19  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds  
STREET: 1155 Avenue of the Americans  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10036  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/746,682A  
FILING DATE: 14-NOV-1996  
CLASSIFICATION: 435  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: 08/597,236  
FILING DATE: 20-JUN-1995  
APPLICATION NUMBER: EP 95201669.9  
FILING DATE: 20-JUN-1995

ATTORNEY/AGENT INFORMATION:  
NAME: Faucett A., Allan  
REGISTRATION NUMBER: 30256  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 14602 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 352..1803  
OTHER INFORMATION: /product- "epsA"  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1807..2535  
OTHER INFORMATION: /product- "epsB"  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 2547..3239  
OTHER INFORMATION: /product- "epsC"  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 3249..3995  
OTHER INFORMATION: /product- "epsD"  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 4051..4731  
OTHER INFORMATION: /product- "epsE"  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 4898..5854  
OTHER INFORMATION: /product- "epsF"  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 6425..7540  
OTHER INFORMATION: /product- "epsG"  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 7736..8212  
OTHER INFORMATION: /product- "epsH"  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 8221..9192  
OTHER INFORMATION: /product- "epsI"  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 9285..10364  
OTHER INFORMATION: /product- "epsJ"  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 10392..11339  
OTHER INFORMATION: /product- "epsK"  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: 11302..12222  
OTHER INFORMATION: /product- "CDS (eps L) covering CDS  
OTHER INFORMATION: (eps K) on nucleotides 10392-11339"  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 12233..13651  
OTHER INFORMATION: /product- "epsM"  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: 13732..14305  
OTHER INFORMATION: /function- "CDS on the  
OTHER INFORMATION: complementary strand"  
OTHER INFORMATION: /product- "orfz"  
FEATURE:  
NAME/KEY: terminator  
LOCATION: 230..252  
FEATURE:

